
2 Product Specifications

2-1 Features

- RF, HDMI(DVI-D), PC(Analog), Component, Video, S-Video
- Brightness : 500cd/m²
- Contrast Ratio : 32" : 1000:1, 40" : 1200:1, 46" : 1200:1
- Response time : 8ms
- Dynamic contrast
- PIP (on PC only)

2-2 LNT3242H Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 32-Inch viewable, 0.51075 (H) x 0.51075(V)mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1360 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80MHz	
Active Display Horizontal/Vertical	697.685 mm / 392.256 mm (27.47 / 15.44 inches)	
AC power voltage & Frequency	AC 110V, 60Hz	
Power Consumption	< 165W (< 1W, stand by)	
Dimensions(W x D x H) Set	874 x 81 x 531 mm (34.4 x 3.1 x 20.9 inches)_without stand 874 x 291 x 577 mm (34.4 x 11.4 x 22.7 inches)_with stand	
Weight Set(After installation Stand)	13kg (28.6 lbs)_without stand 14.8kg (32.6 lbs)_with stand	
TV System	Tuning	Frequency Synthesize
	System	ATSC, NTSC
	Sound	MONO, STEREO, SAP
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right => 5W, Left => 5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

2-3 LNT4042H Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 40-Inch viewable, 0.51075 (H) x 0.51075(V)mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1360 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80MHz	
Active Display Horizontal/Vertical	885.17 mm / 497.64 mm (34.85 / 19.6 inches)	
AC power voltage & Frequency	AC 110V, 60Hz	
Power Consumption	< 218W (< 1W, stand by)	
Dimensions(W x D x H) Set	1084 x 95 x 639 mm (42.6 x 3.7 x 25.1 inches)_without stand 1084 x 300 x 690 mm (42.6 x 11.8 x 27.1 inches)_with stand	
Weight Set(After installation Stand)	18.2 kg (40.1 lbs)_without stand 21.5 kg (47.4 lbs)_with stand	
TV System	Tuning	Frequency Synthesize
	System	ATSC, NTSC
	Sound	MONO, STEREO, SAP
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right => 7.5W, Left => 7.5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

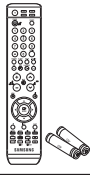
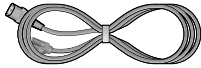
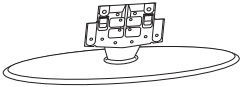
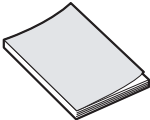
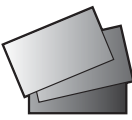
2-4 LNT4642H Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 46-Inch viewable, 0.51075 (H) x 0.51075(V)mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1360 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Separate H/V Level : TTL level	
Maximum Pixel Clock rate	80MHz	
Active Display Horizontal/Vertical	885.17 mm / 497.64 mm (34.85 / 19.6 inches)	
AC power voltage & Frequency	AC 110V, 60Hz	
Power Consumption	< 218W (< 1W, stand by)	
Dimensions(W x D x H) Set	1220 x 111 x 709 mm (48.0 x 4.3 x 27.9 inches)_without stand 1220 x 326 x 776 mm (48.0 x 12.8 x 30.5 inches)_with stand	
Weight Set(After installation Stand)	24.4 kg (53.8 lbs)_without stand 29.8 kg (65.7 lbs)_with stand	
TV System	Tuning	Frequency Synthesize
	System	ATSC, NTSC
	Sound	MONO, STEREO, SAP
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right => 7.5W, Left => 7.5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

2-5 Spec Comparison

Model	LNT2342H / LNT4042H / LNT4642H	LN-S2651D / LN-S3251D / LN-S4051D / LN-S2652D / LN-S3252D / LN-S4052D
Design		
Frequency Horizontal Vertical Display Color	30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 colors	30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 colors
PC Resolution Maximum mode	1360 x 768 / 60 Hz	1360 x 768 / 60 Hz
Input Signal Sync Signal Video Signal	H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75ohm	H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75ohm
Power Consumption Normal Power Saving	100W/140W/170W <1W	133W / 165W / 218W < 1W
Input source Difference	3HDMI(2HDMI IN 23"/26")	HDMI
PIP	PIP(PC Only)	PIP, POP
Sound	5W / 7.5W / 7.5W	3W / 5W / 10W

2-6 Option Specification

Item	Item Name	Code.No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-00598A	
	Power Cord	3903-000144	
	Cover-Bottom	BN63-03093A	
	Stand	BN96-04697A	
	Stand Screw (4 ea)	6002-001294	
	Owner's Instructions	BN68-00998A	
	Cleaning Cloth	BN63-01798A	
	Warranty Card / Registration Card /Safety Guide Manual (Not available in all locations)	BN63-00860A	